

2000-401095/35 HENKEL KGAA 1998.11.25 1998-1054267(+1998DE-1054267) (2000.05.31) C11D 1/83	A97 D25 E19 (A25) Encapsulated active substance for manual cleaning of hard surfaces, useful as all-purpose detergent and washing up, consists of water-soluble or dispersible capsule containing anhydrous surfactant in liquid polymer C2000-121459 Addnl. Data: JONKE H, GIESEN B, POETHKOW D, DITZE A, ZAIKA D	HENK 1998.11.25 *DE 19854267-A1 A(5-H1B, 12-W5, 12-W12A, 12-W12B) D(11-A1B1, 11-A1B2, 11-A3A1, 11-A3A3, 11-A7, 11-B6, 11-D1B, 11-D7) E(10-E4H, 10-E4J, 10-E4L1, 10-E4L2, 10-E4L3, 10-E4L4, 10-E4M3, 10-E4M4)
<p>NOVELTY - Encapsulated active substance for manual cleaning of hard surfaces comprises:</p> <p>(A) an anhydrous active substance containing surfactant(s) and liquid polymer vehicle(s) and</p> <p>(B) a water-soluble or -dispersible shell.</p> <p>(A) contains:</p> <ul style="list-style-type: none"> (i) less than 25 wt.% liquid polymer, (ii) contains linear or branched, (a)cyclic (un)saturated 1-10 carbon (ether) alcohol(s) with 1 or 2 hydroxyl groups and/or (iii) is free from glycerol. <p><u>DETAILED DESCRIPTION</u></p> <p>(ii) Contains linear or branched, (a)cyclic (un)saturated 1-10</p>		<p>carbon (C) (ether) alcohol(s) with 1 or 2 primary, secondary or tertiary hydroxyl (OH) groups and optionally oxygen atom(s) (-O-) in the C skeleton.</p> <p><u>USE</u></p> <p>The substance is used as manual cleaner for hard surfaces and in a method of cleaning hard surfaces with an aqueous liquid in which the substance is dissolved or dispersed, preferably in an amount of 1-5 capsules in 0.1-10 l water (all claimed).</p> <p><u>ADVANTAGE</u></p> <p>Conventional cleaners are usually formulated as fluid to viscous aqueous liquids but the relatively high water content is illogical in terms of economy and ecology. More concentrated liquid still contain a high fraction of water and tend to be over-dosed by the consumer. However, the consumer must handle dosing aids if solids are used, giving the risk of skin contact with irritants. The capsules, which</p>

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contain highly concentrated anhydrous detergent, are easy and safe to use. The active substances have high cleaning power, whilst adding the liquid polymer increases the storage stability. Adding a suitable alcohol increases the cleaning power.
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